## DECLARATION FOR PATENT APPLICATION AND APPOINTMENT OF AGENT

As a below-named Inventor, I here	eby declare that:	•	Case: 14426ROUSD1U		
My Residence, Post Office addres	is and Citizenship are as stated	below next to my name.			
☐ I believe that I am the original,					
🗵 i believe i am an original, first :	and joint inventor				
of the subject matter which is clair	med and for which a patent is so	ought on the invention en	titled:		
APPARATUS AND METH	od for predicting physic	CAL TOPOLOGIES WITH	HIN OPTICAL NETWO	RKS	
the Specification of which					
is attached hereto					
was filed on	as U.S. Application or	PCT International Applica	ation No		
and was amended on	(If applie	rahlo)			
I hereby state that I have reviewed and amendment referred to above.			including the claims, as a	mended by a	
I acknowledge the duty to disclose int Federal Regulations, §1.56.	formation which is material to the i	Examination of the Applicat	on in accordance with Ti	tie 37, Code	
I hereby claim foreign priority benefits Certificate listed below and have also that of the Application on which priority		de, §119(a)-(d) of any foreig cation for Patent or Inventor	n Application(s) for Pater's Certificate having a fill	nt or invento ing date befo	
	PRIOR FOREIGN APP	PLICATION(S)		Priority Claimed	
Number:		, ,			
Number:	Country;			t	
	_	Date Filed:			
hereby claim the benefit under Title 35  Application Number:				N,	
Application Number: hereby claim the benefit under Title 3 neather of each of the claims of this a paragraph of Title 35, United States Co legulations, §1.56 which occurred be	ippication is for discipsed in the ide 6112 I scknowledge the status	y United States Application(s	dion in the manner provi	ded by the I	
Application Number: I hereby claim the benefit under Title 3 matter of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.  Application Number:	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior Date Filed:	y United States Application(; prior United States Applica o disclose material informati application and the Nations	dion in the manner provi on as defined in Title 37, al or PCT International fi	ded by the Code of Fedi ling date of	
Application Number: I hereby claim the benefit under Title 3: matter of each of the claims of this a baragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.  Application Number:	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior   Date Filed:  Date Filed:	y United States Application(; prior United States Applica o disclose material informati application and the Nationa	dion in the manner provious as defined in Title 37, alor PCT International fi	ded by the Code of Fedi ling date of	
Application Number: I hereby claim the benefit under Title 3 matter of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.  Application Number:	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior Date Filed:  Date Filed:	y United States Application(s prior United States Applica o disclose material information application and the Nationa States	dion in the manner provion as defined in Title 37, at or PCT International fi	ded by the Code of Fedi	
Application Number: I hereby claim the benefit under Title 3 matter of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior  Date Filed:  Date Filed:  Date Filed:  Date Filed:	y United States Application(s prior United States Applica o disclose material information application and the Nationa Stat Stat d, Intellectual Property Law	tion in the manner provion as defined in Title 37, at or PCT International files:	ded by the Code of Fedi	
Application Number:  Thereby claim the benefit under Title 3: matter of each of the claims of this a paragraph of Title 35, United States Co Applications, §1.56 which occurred be Application Number: Applica	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The Co Nortel Networks Limite in No. 43,897 and telephone no. (6 did Trademark Office connected there are the telephone and the telephone of my own knowledge ages statements were made with the telephone in the telephone in the telephone of telephone of the telephone of telephone of the telephone of the telephone of the telephone of te	y United States Application(s prior United States Application of disclose material information application and the National State State State d, Intellectual Property Law 613) 768- 2114 as r ewith. are true and that all statement	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  Group, P.O. Box 3511, St. my Agent to prosecute this arise made on information	ded by the Code of Feding date of Code of Feding date of Code	
Application Number: hereby claim the benefit under Title 3 matter of each of the claims of this a paragraph of Title 35, United States Congregations, §1.56 which occurred be application.  Application Number: Application Number	5, United States Code, §120 of any application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The Co Nortel Networks Limite in No. 43,897 and telephone no. (6 did Trademark Office connected there are the telephone and the telephone of my own knowledge ages statements were made with the telephone in the telephone in the telephone of telephone of the telephone of telephone of the telephone of the telephone of the telephone of te	y United States Application(s prior United States Application(s prior United States Application disclose material information application and the National State State State Ad, intellectual Property Law (s 513) 768- 2114 as r swith.  are true and that all statements knowledge that willful fals of the United States Code a	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  Group, P.O. Box 3511, St. my Agent to prosecute this arise made on information	ded by the Code of Feding date of Code of Feding date of Code	
Application Number: hereby claim the benefit under Title 3 matter of each of the claims of this a paragraph of Title 35, United States Congregations, §1.56 which occurred be application.  Application Number: Application Number	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The connected there is no. 43,397 and telephone no. (6 of Trademark Office connected there is no statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.	y United States Application(s prior United States Application and the National application and the National States	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this ents made on information se statements and the like and that such willful false statements.	ded by the Code of Feding date of Code of Feding date of Code	
Application Number:  hereby claim the benefit under Title 3: neather of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.  Application Number: Application Nu	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.	y United States Application(s) prior United States Applicate of disclose material informatil application and the Nationa  State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  Group, P.O. Box 3511, Siltus:  and Agent to prosecute this and the like and that such willful false siltus and that such will such and that such will such and the such and that such will such and the	ded by the Code of Feding date of Code of Feding date of Code	
Application Number:  hereby claim the benefit under Title 3 neather of each of the claims of this elegistrates of the 18 per	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.	y United States Application(s) prior United States Applicate of disclose material informatil application and the Nationa  State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this ents made on information se statements and the like and that such willful false statements.	ded by the Code of Feding date of Code of Feding date of Code	
Application Number:  hereby claim the benefit under Title 3: neather of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be application.  Application Number: Alian P. Millia Ordanaca all business in the Patent and Alian P. Millia Ordanaca all business in the Patent and Application Number: Application Number: Application Number: Application Number: Application Number: Alian P. Millia Ordanaca all business in the Patent and Alian P. Millia Ordanaca all business in the Patent and Application Number: Applicatio	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.	y United States Application(s) prior United States Applicate of disclose material informatil application and the Nationa  State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  Group, P.O. Box 3511, Siltus:  and Agent to prosecute this and the like and that such willful false siltus and that such will such and that such will such and the such and that such will such and the	ded by the Code of Fediling date of attention C, Otter and belief a estimated in the code of the code	
Application Number: hereby claim the benefit under Title 3 neater of each of the claims of this a saragraph of Title 35, United States Co Regulations, §1.56 which occurred be application. Application Number: Application Number	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.	y United States Application(s) prior United States Applicate of disclose material informatiliapplication and the National State Stat	tion in the manner provious as defined in Title 37, at or PCT International filtus:  tus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this sende on information see statements and the like and that such willful false statements.  Date:  Date:  Country of Critizenship:  CANADA	ded by the Code of Fediling date of Code of Fediling date of Code of C	
Application Number: hereby claim the benefit under Title 3: neater of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be Application. Application Number: Application Numbe	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filling date of the prior.  Date Filled:  Date Filled:  Date Filled:  Date Filled:  And c/o Nortel Networks Limited in No. 43,397 and telephone no. (6 of Trademark Office connected there are statements were made with the oth, under Section 1001 of Title 18 or any Patent issued thereon.  Signature of First way, Ontario K2C 3L7	y United States Application(s) prior United States Applicate of disclose material informatiliapplication and the National State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  Group, P.O. Box 3511, Siltus:  and Agent to prosecute this and the like and that such willful false siltus and that such will such and that such will such and the such and that such will such and the	ded by the Code of Fediling date of Salan C, Otter and belief a sand belief a statements m	
Application Number:  hereby claim the banefit under Title 3 harder of each of the claims of this elegislations, §1.56 which occurred be application.  Application Number:  Applic	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The connected there is no. (8 december of the prior of th	y United States Application(s) prior United States Applicate of disclose material informatiliapplication and the National State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this made on information se statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and th	ded by the Code of Fediling date of attention C, Otter and belief a estimated in the code of the code	
Application Number: hereby claim the benefit under Title 3: neater of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be Application. Application Number: Application Numbe	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The connected there is no. (8 december of the prior of th	y United States Application(s) prior United States Applicate of disclose material informatiliapplication and the National State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  tus:  Group, P.O. Box 3511, Simy Agent to prosecute this made on information se statements and the like and that such willful false shountry of Critzenship:  CANADA	ded by the Code of Fediling date of attention C, Otter and belief a estimated in the code of the code	
Application Number:  fiereby claim the benefit under Title 3: neather of each of the claims of this elegislations, §1.56 which occurred be application.  Application Number: Application N	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The connected there is no. (8 december of the prior of th	y United States Application(s) prior United States Applicate of disclose material informatiliapplication and the National State Stat	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this made on information se statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and th	ded by the Code of Fed ling date of ling date of attention C, Otta attention and belief a sand belief attention of the line of made attachments made of the line of the line of the line of li	
Application Number:  Interest claim the benefit under Title 3: Interest claim the benefit under Title 3: Interest claim of this a stargraph of Title 35. United States Confequiations, §1.56 which occurred be application.  Application Number: Appli	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  The connected there is no. (8 december of the prior of th	y United States Application(s prior United States Applicate of disclose material information application and the National State of Intellectual Property Law (\$13) 768- 2114 as rewith.  are true and that all statements knowledge that willful fals of the United States Code at Inventor.	tion in the manner provious as defined in Title 37, all or PCT International filtus:  tus:  tus:  tus:  Group, P.O. Box 3511, Starry Agent to prosecute this made on information se statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such willful false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and that such will false statements and the like and th	ded by the Code of Fediling date of attention C, Otter and belief a estimated in the code of the code	
Application Number: I hereby claim the benefit under Title 3. matter of each of the claims of this a paragraph of Title 35, United States Co. Regulations, §1.56 which occurred be Application Number: Application Number: Application Number: hereby appoint Allan P, Milla Ditario, Canada, K1Y 4H7, Benistration	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the both, under Section 1001 of Title 18 or any Patent issued thereon.  Signature of First way, Ontario K2C 3L7	y United States Application(s) prior United States Applicate o disclose material informatil application and the National State	tus: tus: tus: tus: tus: tus: tus: tus:	ded by the Code of Fedi	
Application Number:  I hereby claim the benefit under Title 3: matter of each of the claims of this a paragraph of Title 35, United States Co Regulations, §1.56 which occurred be Application Number: Applica	S, United States Code, §120 of am application is not disclosed in the de, §112, I acknowledge the duty to tween the filing date of the prior.  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Date Filed:  Trademark Office connected there are statements were made with the both, under Section 1001 of Title 18 or any Patent issued thereon.  Signature of First way, Ontario K2C 3L7	y United States Application(s) prior United States Applicate o disclose material informatil application and the National State	country of Citizenship:  Date:	ded by the Code of Fediling date of attention C, Otter and belief a estimate matternents materials and belief attention of the company of the	

## DECLARATION FOR PATENT APPLICATION AND APPOINTMENT OF AGENT

		Case: 14426	ROUS01U
As a below-named Inventor, I hereby on My Residence, Post Office address an	declare that: d Citizenship are as stated below nex	t to my name.	
$\overline{}$ I believe that I am the original, first	and sole inventor		
☑ I believe I am an original, first and j			
	and for which a patent is sought on th	ne invention entitled:	
	FOR PREDICTING PHYSICAL TOPO		CAL NETWORKS
he Specification of which			
⊠ is attached hereto			
was filed on	as U.S. Application or PCT Inter	national Application No.	
and was amended on	(if applicable)		
hereby state that I have reviewed and unumendment referred to above.	derstand the contents of the above-identifi	ed Specification, including the	he claims, as amended by any
acknowledge the duty to disclose inform Federal Regulations, §1.56.	nation which is material to the Examinatio	n of the Application in acco	ordance with Title 37, Code of
Certificate listed below and have also ide	der Title 35, United States Code, §119(a	)-(d) of any foreign Applicat Patent or Inventor's Certific	tion(s) for Patent or Inventor's ate having a filing date before
hat of the Application on which priority is o	:laimed:		Priority
	PRIOR FOREIGN APPLICATIO	N(S)	Claimed
Number:	Country:	Date Filed:	
Number:	Country:		
	Inited States Code, §119(e) of any United	States provisional Application	on(s) listed below.
	Date File		
• •	Date File	d.	
Application Number:	United States Code, §120 of any United S		
Regulations, §1.56 which occurred between Applications.	, §112, I acknowledge the duty to disclose een the filing date of the prior application	on and the National or PC1	Finternational filing date of th
Application Number:	Date Filed:	Status:	
Application Number:	Date Filed:	Status: _	
Application Number:	Date Filed:	Status: -	
to transact all business in the Patent and <sup>-</sup>	lo. 43,397 and telephone no. (613) 768- Frademark Office connected therewith.	· 2114 as my Agent	t to prosecute this application a
believed to be true, and further that thes	e herein of my own knowledge are true a se statements were made with the knowle th, under Section 1001 of Title 18 of the U r any Patent issued thereon.	edge that willful false stater	nents and the like so made ar
Full Name of First or Sole Inventor:	Signature of First Inventor	r. a. (1	Date:
John C, LYNK	Signature of First Inventor	hand	Act 2, 2001
Residence Address:	· · · · · · · · · · · · · · · · · · ·	Country c	of Citizenship:
1509-1000 Castlehill Crescent, Ottaw	/a, Ontario K2C 3L7	CANADA	4
Post Office Address: same as above			
			X
Full Name of Second Inventor (if any): Yossi Kanzen	Signature of Second Inve		Date:  of Citizenship:
Residence Address: 8 Kings Mount Court, 41 Sunningford	Road London England NW4 4R4	ENGLAN	·
Post Office Address:	Editori, England (111-1-111)	JE. 100,210	
same as above			
Full Name of Third Inventor (if any):	Signature of Third Invento	or:	Date:
Residence Address:		Country of	f Citizenship:
Post Office Address:			

Signatures should conform to names as typewritten. 

Additional inventors on attached Page 2.

Form NTP (05/00)